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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PU0392-PCT	FOR FURTHER ACTION as well	see Form PCT/ISA/220 well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/014074	10/12/2004	12/12/2003
Applicant		
AMERSHAM BIOSCIENCES AB		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this international Searching A ansmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in t	his report.
Basis of the report With regard to the language, the language in which it was filed, unline.	international search was carried out on the ess otherwise indicated under this item.	basis of the international application in the
this Authority (Hu	le 23.1(b)).	nslation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence disclos	ed in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		
X the text is approved as su	• • • • • • • • • • • • • • • • • • • •	!
the text has been establis	hed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	bmitted by the applicant.	
the text has been establis may, within one month fro	hed, according to Rule 38.2(b), by this Authm the date of mailing of this international so	nority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be p	ublished with the abstract is Figure No	3b
as suggested by t	· ·	
	s Authority, because the applicant failed to	
	s Authority, because this figure better chara e published with the abstract.	ccienzes (ne invention.
	-	1

International Application No

PCT/EP2004/014074 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N30/82 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 GOIN BOID Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category * Relevant to claim No. X US 2002/052701 A1 (GORENSTEIN MARC V) 1,6 2 May 2002 (2002-05-02) Y abstract 2-5,7-10 X US 2003/183565 A1 (MICHEL JONATHAN D ET 1,6 AL) 2 October 2003 (2003-10-02) paragraphs '0004!, '0006!, '0008! X US 4 546 643 A (BONNEYRAT ET AL) 1,6 15 October 1985 (1985-10-15) abstract 2-5,7-10 column 1, lines 23,24 column 2, lines 43-68 column 3, lines 25-28 column 3, lines 39-41 column 3, lines 62-66 figure 2 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the investigation. "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report

Fax: (+31-70) 340-3016 Form PCT/ISA/210 (second sheet) (January 2004)

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30 May 2005

Name and mailing address of the ISA

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22/07/2005

Zinngrebe, U

Authorized officer

International Application No
PCT/EP2004/014074

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
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1				

Information on patent family members

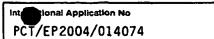
International Application No
PCT/EP2004/014074

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2002052701 A1	02-05-2002	AU EP	8885701 A 1315964 A2	22-03-2002 04-06-2003
		JP WO	2004508566 T 0221099 A2	18-03-2004 14-03-2002
US 2003183565 A1	02-10-2003	AU	2003220445 A1	13-10-2003
		CA EP	2480075 A1 1494775 A1	09-10-2003
		WO	03082428 A1	12-01-2005 09-10-2003
		ÜS	2003222004 A1	04-12-2003
US 4546643 A	15-10-1985	FR	2528179 A1	09-12-1983
		AT	27505 T	15-06-1987
		DE Ep	3371826 D1 0110927 A1	02-07-1987 20-06-1984
		MO	8304325 A1	08-12-1983
		JP	4026061 B	06-05-1992
		JP	59501024 T	07-06-1984
WO 0012191 A	09-03-2000	US	6074880 A	13-06-2000
		AU	751209 B2	08-08-2002
		AU	5791099 A	21-03-2000
		CA EP	2308309 A1 1027123 A1	09-03-2000 16-08-2000
		JP	2002523074 T	30-07-2002
		wo	0012191 A1	09-03-2000
		US	6737022 B1	18-05-2004



A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G01N30/82		
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC	
	SEARCHED		
	cumentation searched (classification system followed by classification	on symbols)	
IPC 7	GO1N BO1D		
Documentat	ion searched other than minimum documentation to the extent that si	uch documents are included in the fields se	arched
Electronic d	ala base consulted during the International search (name of data bas	se and, where practical search terms used	<u> </u>
ELO-III	ternal, PAJ		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the rek	evant passages	Relevant to claim No.
			-
X	US 2002/052701 A1 (GORENSTEIN MAR 2 May 2002 (2002-05-02)	ec v)	1,6
Y	abstract		2-5,7-10
x	US 2003/183565 A1 (MICHEL JONATHA	IN D FT	1,6
^	AL) 2 October 2003 (2003-10-02)	5 21	1,0
	paragraphs '0004!, '0006!, '000	18!	
х	US 4 546 643 A (BONNEYRAT ET AL)		1,6
	15 October 1985 (1985-10-15)		-,-
Υ	abstract		2-5,7-10
	column 1, lines 23,24		
	column 2, lines 43-68		
	column 3, lines 25-28		
	column 3, lines 39-41		
	column 3, lines 62-66 figure 2		
	1 igure 2		
	<u>-</u>	-/	
X Funt	ner documents are listed in the continuation of box C.	χ Patent family members are listed in	n annex.
Special car	tegories of cited documents :	"T" later document published after the inte	mational filing date
	int defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or the	the application but
	ered to be of particular relevance focument but published on or after the international	invention	
filing d	ate	'X' document of particular relevance; the c cannot be considered novel or cannot	be considered to
which i	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another	involve an inventive step when the do "Y" document of particular relevance; the c	
	n or other special reason (as specified) on referring to an oral disclosure, use, exhibition or	cannot be considered to involve an Im- document is combined with one or mo	rentive step when the
other n	neans	ments, such combination being obvious in the art.	
later th	int published prior to the international filling date but an the priority date claimed	*8* document member of the same patent	tamily
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report
3	0 May 2005	22/07/2005	
Name and n	nailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Riiswijk		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Zinngrebe, U	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Ą	WO 00/12191 A (TRANSGENOMIC, INC) 9 March 2000 (2000-03-09) page 19, lines 7-26; figure 19	1,6			
	٠.				

Interional Application No PCT/EP2004/014074

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002052701	A1	02-05-2002	AU	8885701 A	22-03-2002
			EP	1315964 A2	04-06-2003
			JP	2004508566 T	18-03-2004
			MO	0221099 A2	14-03-2002
US 2003183565	A1	02-10-2003	AU	2003220445 A1	13-10-2003
			CA	2480075 A1	09-10-2003
			EΡ	1494775 A1	12-01-2005
			WO	03082428 A1	09-10-2003
			US	2003222004 A1	04-12-2003
US 4546643	A	15-10-1985	FR	2528179 A1	09-12-1983
			ΑT	27505 T	15-06-1987
			DE	3371826 D1	02-07-1987
			EP	0110927 A1	20-06-1984
			WO	8304325 A1	08-12-1983
			JP	4026061 B	06-05-1992
			JP	59501024 T	07-06-1984
WO 0012191	Α	09-03-2000	US	6074880 A	13-06-2000
			ΑU	751209 B2	08-08-2002
			ΑU	5791099 A	21-03-2000
			CA	2308309 A1	09-03-2000
			EP	1027123 A1	16-08-2000
			JP	2002523074 T	30-07-2002
			WO	0012191 A1	09-03-2000
			US	6737022 B1	18-05-2004